

**DAMAGE SURVEY REPORT (DSR)**  
**Emergency Watershed Protection Program – Recovery**

**Section 1A**

Date of Report: April 14, 2006

DSR Number: 113-05-020R Project Number: \_\_\_\_\_

NRCS Entry Only

Eligible: YES \_\_\_\_\_ NO \_\_\_\_\_

Approved: YES \_\_\_\_\_ NO \_\_\_\_\_

Funding Priority Number (from Section 4) \_\_\_\_\_

Limited Resource Area: YES \_\_\_\_\_ NO \_\_\_\_\_

**Section 1B Sponsor Information**

Sponsor Name: Coulee Baton Gravity Drainage District No. 1

Address: P.O. Box 189

City/State/Zip: Abbeville, LA 70511-0189

Telephone Number: (337) 893-1180 Fax: \_\_\_\_\_

**Section 1C Site Location Information**

County: Vermilion State: Louisiana Congressional District: 7<sup>th</sup>

Latitude: 29.84760 Longitude: 92.26230 Section: 4 Township: 14S Range: 2E

UTM Coordinates: \_\_\_\_\_

Drainage Name: Northwest Gum Island Reach: 1950 feet

Damage Description: Hurricane Rita deposited sediment and marsh in channel

**Section 1D Site Evaluation**

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	X		
Recovery measures would be for runoff retardation or soil erosion prevention?*	X		
Threat to life and/or property?*	X		
Event caused a sudden impairment in the watershed?*	X		
Imminent threat was created by this event?***	X		
For structural repairs, not repaired twice within ten years?***	X		
<b>Site Defensibility</b>			
Economic, environmental, and social documentation adequate to warrant action? (Go to pages 3, 4, 5 and 6 ***)	X		
Proposed action technically viable? (Go to Page 9 ***)	X		

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES X NO \_\_\_\_\_

Comments: \_\_\_\_\_

\* Statutory

\*\* Regulation

\*\*\* DSR Pages 3 through 6 and 9 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages. 1 of 14

Approved 7/2005

**Section 1E Proposed Action**

Describe the preferred alternative from Findings: Section 5 A:

Remove debris and marsh balls from channel utilizing spoil bank field road from one side of the channel. Debris and silt will be spread along the field side bottom toe and blade dressed.

Total installation cost identified in this DSR: Section 3:

**Section 1F NRCS State Office Review and Approval**

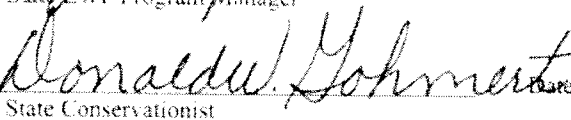
Reviewed By:

  
State EWP Program Manager

Date Reviewed:

5/18/06

Approved By:

  
State Conservationist

Date Approved:

5/19/06

**PRIVACY ACT AND PUBLIC BURDEN STATEMENT**

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1, and Section 403 of the Agricultural Credit Act of 1978, Public Law 95-334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief of NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies, IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/196 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

**USDA NONDISCRIMINATION STATEMENT**

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.)

Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write USDA, Director of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

**Civil Rights Statement of Assurance**

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended, the Civil Rights Restoration Act of 1987 (Public Law 100-259), and other nondiscrimination statutes, namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15.15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

**Section 2 Environmental Evaluation**

2A Resource Concerns	2B Existing Condition	2C Alternatives and Effects		
		Proposed Action	No Action	Alternative
		Remove Marsh balls& debris from one side of channel. See sec. 1E for specific information.	Leave debris and marsh balls in channel	Remove debris and Marsh balls from both sides of channel and dispose offsite.
<b>2D Effects of Alternatives</b>				
<b>Soil</b>				
Bank erosion	Stable	Temporary increase in bank erosion from removal activities	Increased bank erosion and undercutting due to flooding	Temporary increase in bank erosion due to removal activities on both sides
Compaction	Compaction present due to spoil used as access	Slight increase in compaction at access points due to heavy equipment	Compaction present due to spoil used as access	Heavy equipment will cause moderate compaction on both sides of the channel
<b>Water</b>				
Flooding	Property/homes upstream subject to flooding from blockages after heavy rainfall event	Upstream flooding reduced and property damage minimized from heavy rainfall events	Property/homes subject to continued flooding from heavy rainfall events	Upstream flooding reduced and property damage minimized from heavy rainfall events
Excessive Sediments and Turbidity	Stream flow reduced, sediment problems will occur with future heavy rainfall, water is turbid from sediment	Disturbance from heavy equipment will cause short term increase in sediment and turbidity, but reduce long term impacts	Sediment and turbidity will continue to increase as a result of stream bank erosion and scour erosion following heavy rainfall	Disturbance from heavy equipment will cause short term increase in sediment and turbidity, but reduce long term impacts
Stream Health (SVAP)	2.7 (poor)	3.0 (poor)	2.7 (poor)	3.0 (poor)
<b>Air</b>				
Particulate Matter	No effect	Slight increase during debris removal	No effect	Slight increase during debris removal
<b>Plant</b>				
Productivity, health and vigor of Riparian vegetation	Few to no riparian trees present. Adjacent area used for agriculture, spoil bank or access road	Temporary disturbance of herbaceous vegetation at access points not on road	Few to no riparian trees present, adjacent area used for agriculture, spoil bank or access road	Temporary disturbance of herbaceous vegetation from work along both sides of the channel
Productivity and health of aquatic vegetation	Aquatic plants limited due to turbidity	Removal of debris will not alter vegetation	Stream aquatic growth will remain poor with limited vegetation due to turbidity	Removal of debris will not alter vegetation
<b>Animal</b>				
Inadequate cover/shelter for wildlife along stream corridor	Lack of riparian buffer has limited amount of cover/shelter	No effect on cover/shelter	Lack of riparian buffer has limited amount of cover/shelter	No effect on cover/shelter
Inadequate cover/shelter for stream fisheries	Turbidity limits positive aquatic growth, marsh balls decrease DO	Removing marsh balls improves DO levels, slightly improving stream integrity	Turbidity limits positive aquatic growth, marsh balls decrease DO	Removing marsh balls improves DO levels, slightly improving stream integrity
<b>Other</b>				
Aesthetics	Presence of marsh balls and debris diminishes landscape	Minor temporary disturbance on one side for access of heavy equipment	Landscape will remain diminished and will degrade with future flood events	Minor temporary disturbance on both sides of the channel from heavy equipment access
Mosquito and Insect Vectors	Increased danger of disease due to stagnant water	Lower risk of disease by returning stream flow to pre-storm conditions	Increased danger of disease due to stagnant water	Lower risk of disease by returning stream to pre-storm conditions

**Section 2E Special Environmental Concerns**

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	Moderate water quality, no obvious contaminants	Improved water quality. CWA permit needed, water quality certification needed	Decreased water quality, increased blockage and flooding	Improved water quality. CWA permit needed, water quality certification needed
Coastal Zone Management Areas	N/A	N/A	N/A	N/A
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	Use FOTG guidance. State level review needed	Use FOTG guidance. State level review needed	Use FOTG guidance. State level review needed	Use FOTG guidance. State level review needed
Endangered and Threatened Species	Use FOTG guidance, USFWS/LDWF list shows species in parish but none likely in project area	Use FOTG guidance, USFWS/LDWF list shows species in parish but none likely in project area	Use FOTG guidance, USFWS/LDWF list shows species in parish but none likely in project area	Use FOTG guidance, USFWS/LDWF list shows species in parish but none likely in project area
Environmental Justice	Not a factor in this project area.	Not a factor in this project area.	Not a factor in this project area.	Not a factor in this project area.
Essential Fish Habitat	Not a factor in this project area.	Not a factor in this project area.	Not a factor in this project area.	Not a factor in this project area.
Fish and Wildlife Coordination	No stream modification proposed.	Will coordinate if issues arise in CWA 404 permit process	N/A	Will coordinate if issues arise in CWA 404 permit process
Floodplain Management	Project is within 100 year floodplain	Improve drainage and reduce level of flooding to pre-storm conditions	N/A	Improve drainage and reduce level of flooding to pre-storm conditions
Invasive Species	Chinese tallow scattered in adjacent area	No impact	Chinese tallow remains scattered in adjacent area	No impact
Migratory Birds	Minor habitat present for neo-tropical migrants	No impact	Minor habitat present for neo-tropical migrants	No impact
Natural Areas	Use FOTG guidance, no natural areas identified	Use FOTG guidance, no natural areas identified	Use FOTG guidance, no natural areas identified	Use FOTG guidance, no natural areas identified
Prime and Unique Farmlands	Prime farmland identified on site, Jd	Prime farmland soils occur but project will have minor impact on farmland	Prime farmland identified on site, Jd	Prime farmland soils occur but project will have minor impact on farmland
Riparian Areas	Few to no trees present, introduced and native grasses present along spoil except near road	Short term impact to grasses/forbs during construction at access points where road is not used	Few to no trees present, introduced and native grasses present along spoil except near road	Short term impact to grasses/forbs during access and construction
Scenic Beauty	Stream aesthetics diminished due to presence of marsh balls, debris and stagnant water	Stream aesthetics will be restored	Further diminished stream aesthetics from stagnant water, debris and future floods	Stream aesthetics will be restored
Wetlands	Wetland functions and values altered due to channel obstruction	Removal of marsh balls/debris will return stream flow and wetland functions to pre-storm condition	Wetland functions and values altered due to channel obstruction	Removal of marsh balls/debris will return stream flow and wetland functions to pre-storm condition
Wild and Scenic Rivers	No impact on listed streams or rivers	No impact on listed streams or rivers	No impact on listed streams or rivers	No impact on listed streams or rivers

Completed By: Sarah HaymakerDate: April 14, 2006

DSR NO: 113-05-020R

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
<b>Properties Protected (Private)</b>			
8 homes x \$69,379	\$555,035	20%	\$111,007
9 homes x \$57,816	\$520,346	20%	\$104,069
3 homes x \$83,774	\$251,322	20%	\$50,264
4 homes x \$62,830	\$251,322	20%	\$50,264
4 homes x \$38,544	\$154,176	20%	\$30,835
7 homes x \$52,695	\$368,864	20%	\$73,773
7 homes x \$79,042	\$553,296	20%	\$111,659
<b>Properties Protected (Public)</b>			
<b>Business Losses</b>			
<b>Other</b>			
Total Near Term Damage Reduction \$			\$531,871
<b>Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)</b>			

See attached Real Estate Market Value Worksheet.

Completed By: Sarah Haymaker

Date: April 14, 2006

**Section 2G Social Consideration**

**This section must be completed by each alternative considered (attach additional sheets as necessary).**

	<b>YES</b>	<b>NO</b>	<b>Remarks</b>
Has there been a loss of life as a result of the watershed impairment?		X	
Is there the potential for loss of life due to damages from the watershed impairment?	X		Emergency vehicle access to the area could be restricted.
Has access to a hospital or medical facility been impaired by watershed impairment?		X	
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	X		Impairment increases flooding impact throughout the community. If channel floods, access to property will be limited. Loss of electrical power and communications was experienced.
Is there a lack or has there been a reduction of public safety due to watershed impairment?	X		Future events would impact nearby roadways, bridges and access to emergency services.

Completed By: Sarah HaymakerDate: April 14, 2006

**Section 2H Group Representation and Disability Information****This section is completed only for the preferred alternative selected.**

Group Representation	<i>Census Block</i>	<i>Number</i>	<i>Affected</i>
American Indian/Alaska Native Female Hispanic			
American Indian/Alaska Native Female Non-Hispanic			
American Indian/Alaska Native Male Hispanic			
American Indian/Alaska Native Male Non-Hispanic			
Asian Female Hispanic			
Asian Female Non-Hispanic			
Asian Male Hispanic			
Asian Male Non-Hispanic			
Black or African American Female Hispanic			
Black or African American Female Non-Hispanic			
Black or African American Male Hispanic			
Black or African American Male Non-Hispanic			
Hawaiian Native/Pacific Islander Female Hispanic			
Hawaiian Native/Pacific Islander Female Non-Hispanic			
Hawaiian Native/Pacific Islander Male Hispanic			
Hawaiian Native/Pacific Islander Male Non-Hispanic			
White Female Hispanic	1	0.4%	1
White Female Non-Hispanic	136	47.7%	60
White Male Hispanic	3	1.1%	1
White Male Non-Hispanic	145	50.8%	64
Total Group	<b>285</b>	<b>100%</b>	<b>126</b>

NOTE: This demographic data was taken from the 2000 U.S. Census. See the attached tables for details. The data indicates there are 285 persons in 95 households.  $285 \text{ p} / 95 \text{ h} = 3 \text{ persons/household}$ .  $42 \text{ h} \times 3 \text{ p/h} = 126 \text{ people in the area affected}$ .

Census tract(s) Tract 9511 Blocks 1072, 1073 and 1074Completed By: Sarah HaymakerDate: April 14, 2006

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Access to channel from private properties will require easements/permissions to be obtained by sponsor. Recommend consultation of contractor for right of way access to channel to accommodate equipment being used. Coordination will be handled by NRCS representative to reduce amount of impact to surrounding environment.

Army Corps of Engineers 404 permit  
CWA and Water Quality Certification may be required

Mitigation Description:

Access to remove and spread debris from Northwest Gum Island channel will be from one side to minimize impacts and reduce disturbances. This alternative will prevent impacts to both sides and minimize riparian disturbance. Proposed action will help restore hydraulic function to downstream wetlands and reduce mosquito breeding areas and vector problems in adjacent floodplains. Action will be completed without interruption to reduce impacts to stream fisheries, wildlife and local residents.

Agencies, persons, and references consulted, or to be consulted:

Army Corps of Engineers, New Orleans District  
Louisiana Department of Environmental Quality  
Louisiana Department of Wildlife and Fisheries  
Vermilion Parish Government



**Section 4 NRCS EWP Funding Priority**

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?				
2. Is this a site where there is serious, but not immediate threat to human life?	X			2-c,d,e,f
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?				
4. Is this site a funding priority established by the NRCS Chief?				
<b>The following are modifiers for the above criteria</b>			<b>Modifier</b>	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?			No	
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?			No	
c. Will the proposed action or alternatives protect or conserve prime or important farmland?			Yes	
d. Will the proposed action or alternatives protect or conserve existing wetlands?			Yes	
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			Yes	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?			Yes	

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

**Section 5A Findings****Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):**

The proposed action is the preferred alternative. The proposed action is the least costly alternative that achieves the restoration objectives, maximizes environmental benefits and is socially acceptable.

The proposed action is to remove debris and marsh balls from channel utilizing field road from one side of the channel. Debris and silt will be spread along the field side bottom toe and blade dressed.

*I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:*

X Has been sufficiently analyzed in the EWP PEIS (reference all that apply)

Chapter 5.2.2.1.2

Chapter \_\_\_\_\_

Chapter \_\_\_\_\_

Chapter \_\_\_\_\_

Chapter \_\_\_\_\_

\_\_\_\_ May require the preparation of an environmental assessment or environmental impact statement.

The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: D.C.

Date: 4-24-06

**Section 5B Comments:****Section 5C**

**Sponsor Concurrence:** \_\_\_\_\_

**Sponsor Representative**

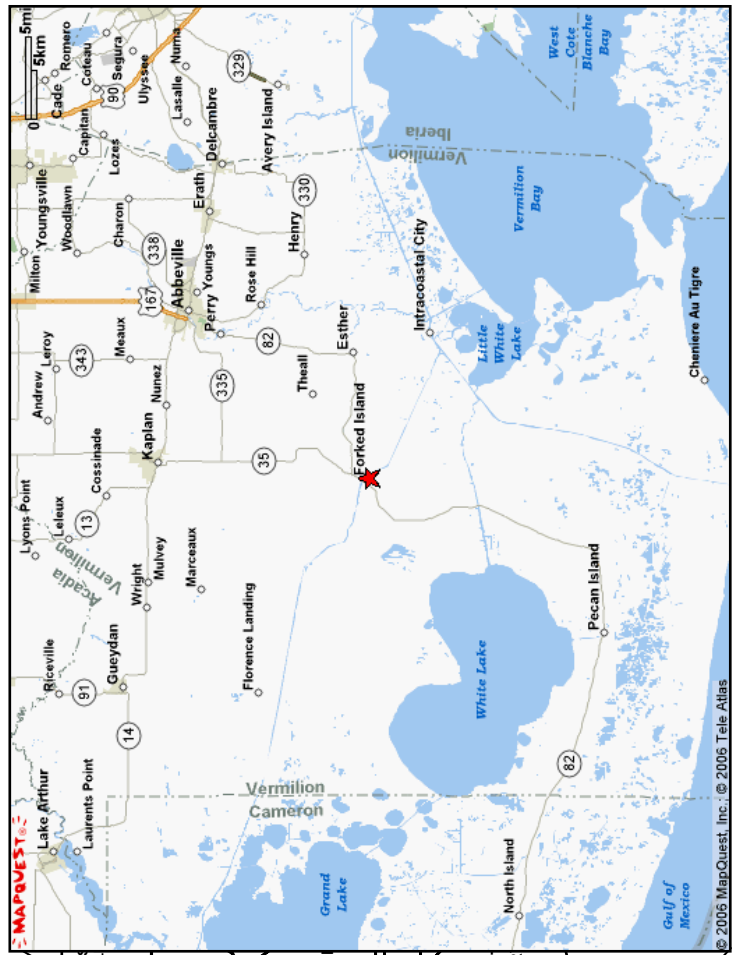
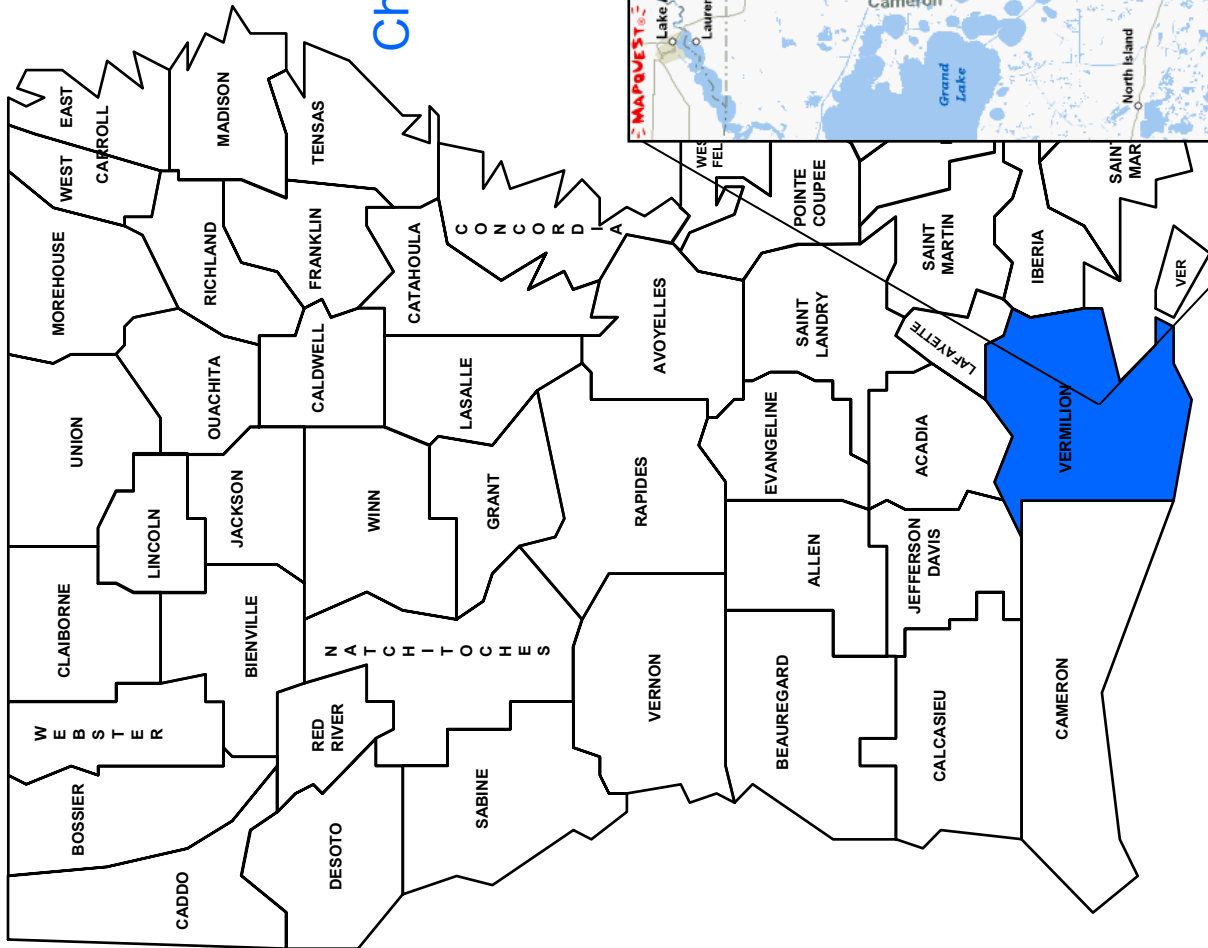
Title: President

Date: 4/25/06

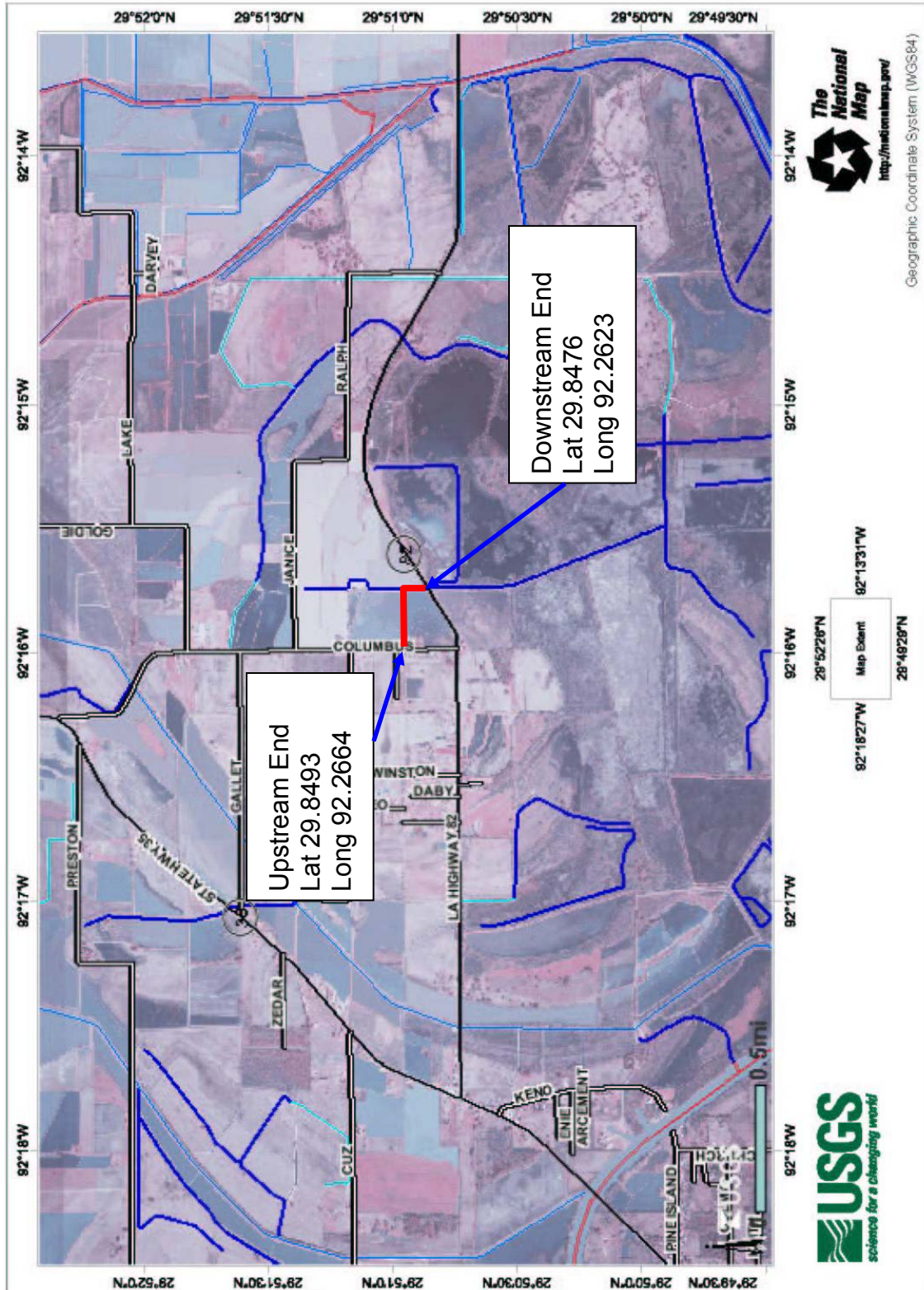
**Section 6 Attachments:**

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

Channel: North West Gum Island Canal

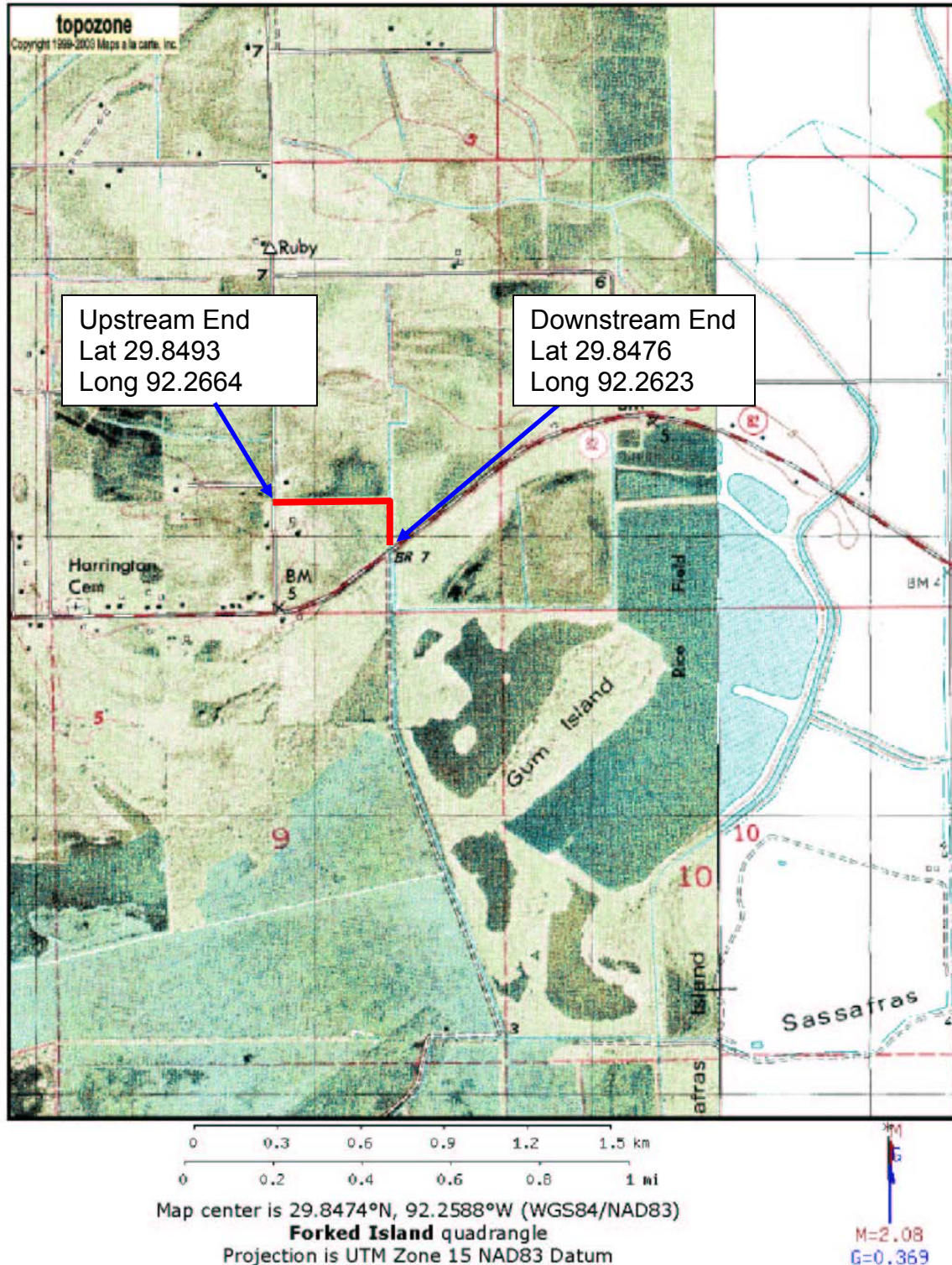


SITE MAP  
DSR 113-05-020R  
Channel: North West Gum Island Canal  
Vermilion Parish

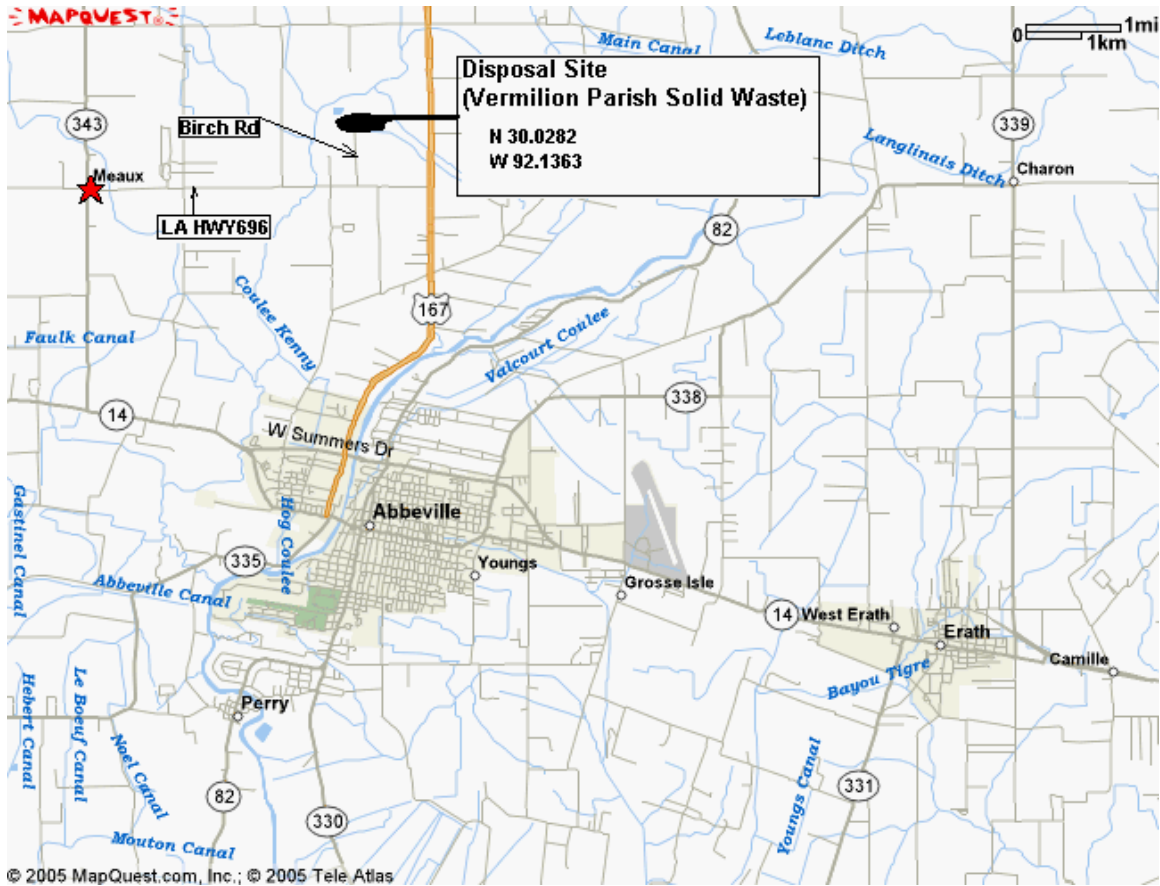




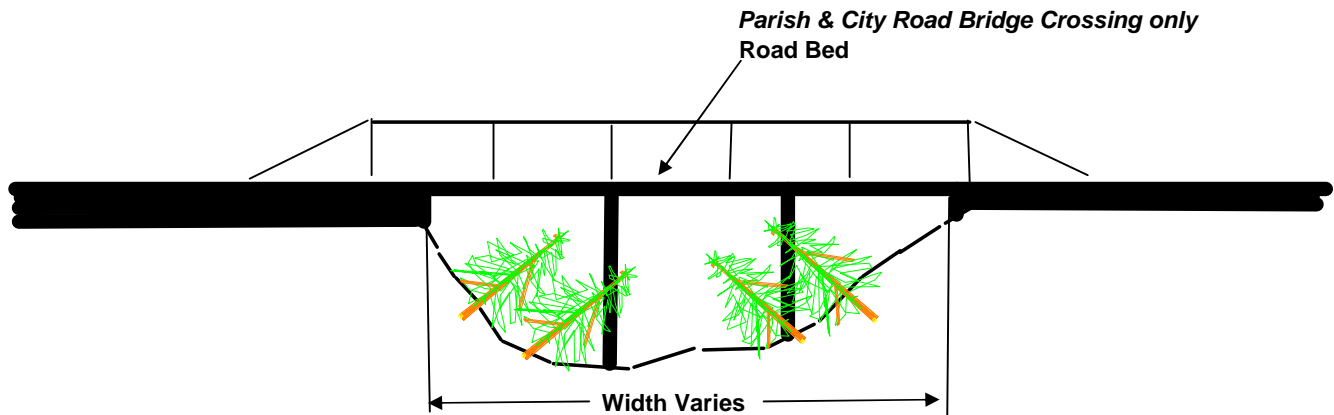
TOPO MAP  
DSR 113-05-020R  
Channel: North West Gum Island Canal  
Vermilion Parish



# VERMILION PARISH SOLID WASTE DISPOSAL SITE LOCATOIN Vermilion Parish



## Debris Removal



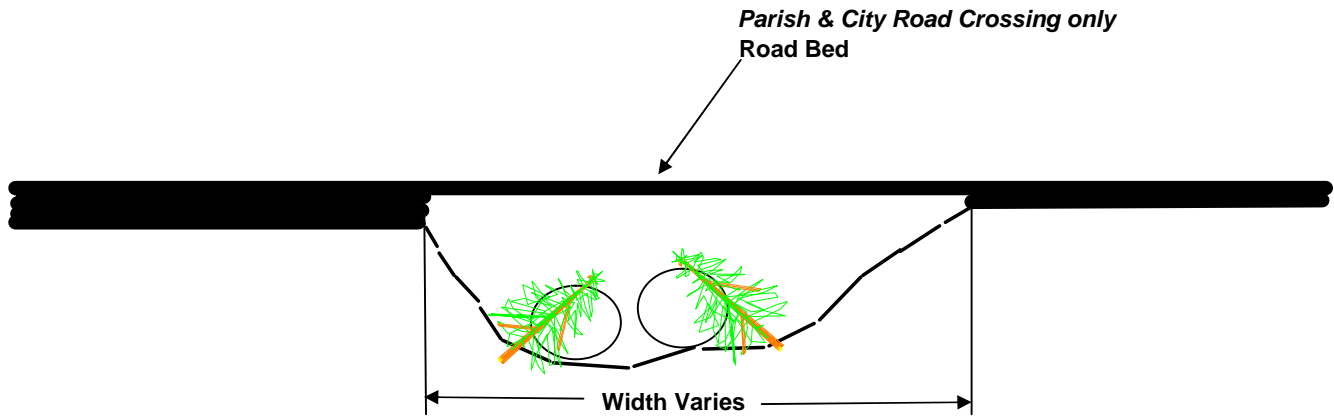
**Note:** Contract is to remove Debris from upstream and downstream Bridge which includes underside of bridge

**Exception:** All Crossing which cross State or Federal highways are not included in contract

## Typical Road Bridge Crossing Not to Scale

Notice:  
48 Hours Before Digging  
Call 1-800-272-3020

## Debris Removal



**Note:** Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts

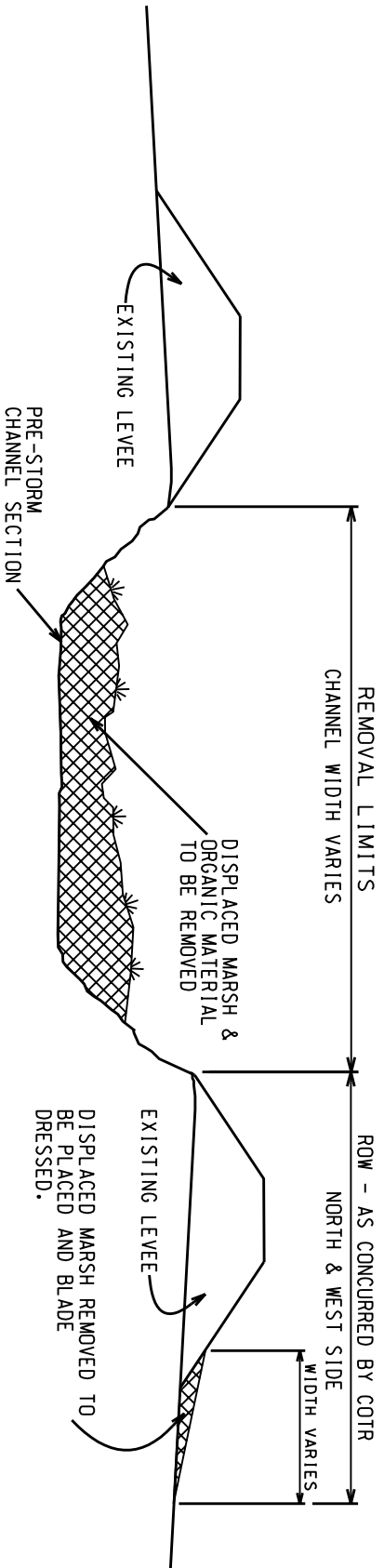
**Exception:** All Crossing which cross State or Federal highways are not included in contract

## Typical Road Culvert type Crossing Not to Scale

Notice:  
48 Hours Before Digging  
Call 1-800-272-3020



NOTICE:  
48 Hours Before Digging  
Call 1-800-272-3020



**TYPICAL CHANNEL DISPLACED MARSH REMOVAL**  
**N.T.S.**

**NO EXCAVATION OUTSIDE PRE-STORM CHANNEL SECTION**

**NOTES:**

1. Right of way on shall be on the north and west side of the channel. Any deviation must be concurred in by COTR. Excavation of displaced marsh material is limited to removal of material to the pre-storm channel cross section. This is determined by the COTR by means of surveyed cross sections in an undamaged section of channel adjacent to the area where the displaced marsh is located. Also the invert shall not be lowered below any existing culvert inverts within the channel reach. NO EXCAVATION TO INCREASE CHANNEL SECTION WILL BE ALLOWED.
2. The displaced marsh material removed from the channel shall be placed at the field side toe of the existing levee and shall be blade dressed and left in a neat manner with no wheel or track ruts. Dressed disposal area shall then be seeded and fertilized in accordance with the specifications.

NO.	DATE	REVISIONS
1	4/24/2006	LA EMP
2	4/24/2006	LA EMP
3	4/24/2006	LA EMP
4	4/24/2006	LA EMP
5	4/24/2006	LA EMP
6	4/24/2006	LA EMP
7	4/24/2006	LA EMP
8	4/24/2006	LA EMP
9	4/24/2006	LA EMP

FILE NAME	LA EMP
DRAWING NAME	LA EMP
NO.	8 OF 9



DSR 113-05-020R  
NORTH WEST GUM ISLAND CANAL  
COULEE BATON GRAVITY DRAINAGE DISTRICT #1  
TYPICAL-CHANNEL DISPLACED MARSH REMOVAL

DESIGNED	7 of 7
DRAWN	
CHECKED	
APPROVED	